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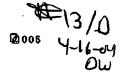
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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICERECEIVED

Applicants: Michael Andrew Mang et al.

Examiner: Aimee J. Li **GENTRAL FAX CENTER**

Serial No.

09/556.473

2183 Art Group:

APR 1 3 2004

Filing Date: April 21, 2000

Docket No.:

Conf. No.:

6795

00100000610

Title:

METHOD AND APPARATUS FOR MULTI-THREAD

ACCUMULATION BUFFERING IN A COMPUTATION ENGINE

Mail Stop AF

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Certificate of Facsimile Transmission

I hereby certify that this paper is being sent via Facsimile to 703-872-9306, Examiner Aimee J. Li, at the U.S. Patent and Trademark Office, Alexandria, VA 22313-1450, on this

RESPONSE TO FINAL OFFICE ACTION WITH REQUEST FOR CONTINUED **EXAMINATION AND PRELIMINARY AMENDMENT**

Dear Sir:

In response to the final Office Action dated January 13, 2004, and the Advisory Action dated March 25, 2004, Applicants submit the following amendments and remarks.

Amendments to the claims begin on page 2 of this paper.

Remarks begin on page 10 of this paper.

U.S. Patent and Tradsmark Office; U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Tradsmark Office; U.S. DEPARTMENT OF COMMERCE
FEE TRANSMITTAL

Complete # Keessar FEE TRANSMITTAL 09/556,473 **Application Number** for FY 2004 Filing Date 4/21/00 Michael Andrew Mang First Named Inventor Effective 10/01/2003. Peteral fees are subject to annual revision. Exeminer Name Aimee J. Li Applicant claims small entity stetus. See 37 CFR 1.27 Art Unit 2183 TOTAL AMOUNT OF PAYMENT (\$) 770.00 Attorney Docket No. 001000000810 METHOD OF PAYMENT (check all that apply) FEE CALCULATION (continued) Check Credit card Money Other 3. ADDITIONAL FEES None Large Entity , Small Entity Deposit Account Fee (\$) Fee Code Deposit Fee Fee Cade (\$) Fee Description 50-0441 Fee Pald Appount 1051 130 2051 65 Surcharge - late filing few or oath Deposit 25 Surcharge - late provisional filing fee or cover sheet ATI Technologies, Inc. 1052 50 2052 Account 1053 130 1053 130 Non-English specification Director is authorized to: (check of that apply) 1812 2,520 1812 2,520 For filing a request for ex parte reexamination Charge les(s) indicated below Credit any overpaym 920° Requesting publication of SIR prior to Examinar aution 1804 Charge any additional fee(s) or any underpayment of fee(s) 920* 1804 Charge fee(s) indicated below, except for the filling foc 1805 1.840 1805 1,840* Requesting publication of SIR after to the above-identified deposit account. 1251 2251 Extension for reply within first month FEE CALCULATION 1252 420 2252 210 Extension for reply within second month 1. BASIC FILING FEE arge Entity Şmell Entity 1253 2253 850 475 Extension for reply within third month Code (8) Fee Paid Ene Description Code (\$) 1254 1,480 2254 740 Extension for raply within fourth month 2255 1,005 Extension for reply within fifth month 1001 770 2001 385 Utility filing fee 1255 2.010 1002 340 2002 170 Design filing fee 1401 330 2401 165 Notice of Appeal 1003 530 2003 265 1402 Plant filing fee 330 2402 165 Filing a brief in support of an appeat 1004 770 2004 385 Raissue filing fee 1403 290 2403 145 Request for oral hearing 1005 160 2005 BO 1451 1,510 Petition to institute a public use proceeding Provisional filing fee 1451 1452 2452 SS Patition to revive - unavoldable SUBTOTAL (1) (\$) 0.00 1453 665 Polition to revive - unintentional 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE 1501 1,330 2501 665 Utility Issue fee (or reissue) Fee from 240 Ocalgn Issue fee Extra Claima 1502 ,480 -2502 Total Claims 0.00: 1503 640 2503 320 Plant Issue fee Independent Claims Multiple Dependent 0.00 ່ 190 130 Petitions to the Commissioner 1480 1460 5...50 1807 1807 : 60 Processing tee under 37 CFR 1,17(q) Small Ealthy Large Entity : 1ROR 180 1806 - 180 Submission of Information Disclosure Strict Fee Fee Code (\$) Fee Description 40 Recording each patent essignment per Code (S) 8021 40 8021 property (times number of properties) 1202 18 2202 9 Cialms in excess of 20 385 Filing a submission after final rejection (37 CFR 1.129(a)) 1809 770 2809 1201 88 2201 43 independent cisims in excess of 3 1203 290 2203 145 Multiple dependent claim, if not paid 1810 770 2810 386 For each additional invention to be examined (37 CFR 1.129(b)) 1204 Raissue independent claims over original patent 86 2204 1801 770 2601 385 Request for Continued Exemination (RCE) 1205 ** Release claims in excess of 20 18 2205 1602 1802 900 Request for expedited examination of a design application 900 1 and over original patent Other tee (specify) SUBTOTAL (2) (\$) 0.00 Reduced by Basic Filing Fee Paid Tor number previously paid, if greater; For Reissues, see above SUBTOTAL (3) (\$) 770.00 SUBMITTED BY (Complete (7 applicable)) Name (Prestype) Registration No. Themi Anagnos 47.388 Telephone 312-609-7970

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PAGE 3/26 * RCVD AT 4/13/2004 4:10:26 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/1 * DNIS:8729306 * CSID:312 609 5005 * DURATION (mm-ss):09-18

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